Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/13/2019 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126051	0	1.16	126126	1.18
Blue	F	SSC	125000	124740	-1	1.67	125556	1.61
Blue	E	FITC	16122	15742	-3	2.67	342	20.25
Blue	D	PE	29316	28684	-3	1.88	626	14.65
Blue	B	PerCP-Cy5-5	42590	42230	-1	3.65	1136	20.50
Blue	A	PE-Cy7	33146	33461	0	5.98	635	40.85
Red	C	APC	45473	44995	-2	2.43	1593	11.94
Red	A	APC-Cy7	31961	31033	-3	2.34	820	11.92
Violet	B	V450	7914	7545	-5	5.00	421	13.54
Violet	A	V500	29769	28611	-4	4.77	665	11.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21002	3.38	610	10	N/A	N/A	Pass
Blue	F	SSC	56651	1.17	555	17	N/A	N/A	Pass
Blue	E	FITC	63	63.54	542	5	0.0195	133	Pass
Blue	D	PE	131	51.12	544	7	0.1792	341	Pass
Blue	B	PerCP-Cy5-5	208	50.49	649	11	0.0089	62	Pass
Blue	A	PE-Cy7	117	100.74	702	11	0.0109	13	Pass
Red	C	APC	378	25.80	586	7	0.0261	258	Pass
Red	A	APC-Cy7	181	29.46	562	6	0.0058	1391	Pass
Violet	B	V450	63	63.54	465	5	0.0567	2644	Pass
Violet	A	V500	99	33.28	477	5	0.0206	526	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.21	-31.82	1.01
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	16.35	13.60 - 20.40	N/A	N/A	29.40	29.84	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9827

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments